

# PC/104+

## Beschreibung

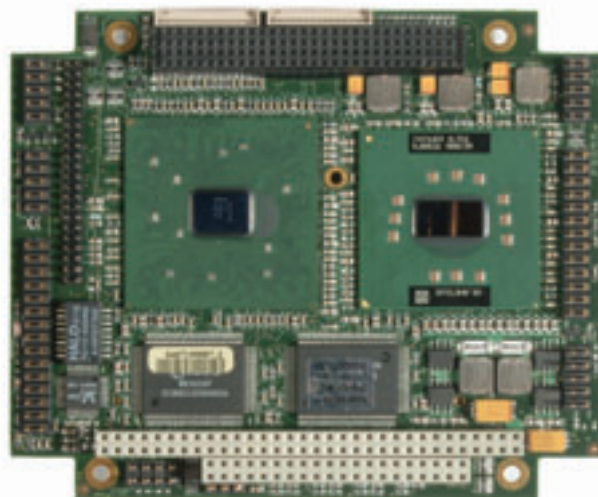
Das PC/104+ Board **PB-855+** basiert auf dem zur Intel® Centrino-Plattform gehörenden Intel® Pentium® M-Prozessor bis Taktraten von derzeit 2,0GHz und dem Intel® Chipset 855GM/GME. Der im Chipset integrierte Intel® Extreme Graphics2 Grafikkontroller, erlaubt die Darstellung unterschiedlicher Bildschirmhalte von CRT und LCD. Als Arbeitsspeicher kommen DDR So-DIMM200 bis zu 1GByte zum Einsatz. Ferner verfügt das PC/104+ Board über ACPI/APM Power Management Funktionen. Weiterhin zählen PCI 2.2 Bus, IDE, 4xUSB 2.0, 2xCOM, IrDA 1.1, Keyboard/Mouse, Floppy/Printer, AC97 Sound-Interface und 10/100MBit LAN zur Grundausstattung des PC/104+ Boards. Ein Heatspreader erlaubt individuelle Kühlkonzepte.

## Description

The PC/104+ board **PB-855+** is based on the Intel® Pentium® M-Processor and the Intel® Chipset 855GM/GME. The Intel® M-Processor belongs to the Intel® Centrino-Platform and presently supports a clock speed of up to 2,0GHz. The Intel® graphic controller "Extreme Graphics2", which is integrated in the chipset, allows to display different screen contents of CRT and LCD. The random access memory consists of a So-DIMM200 with up to 1GByte. In addition the PC/104+ board disposes of ACPI/APM power management functions. The standard-equipment further comprises PCI 2.2 Bus, IDE, 4xUSB 2.0, 2xCOM, IrDA 1.1, Keyboard/Mouse, Floppy/Printer, AC97 Sound-Interface and 10/100MBit LAN. A heatspreader allowed individual cooling concepts.

## Technische Daten/Technical data

Size	96x90(115,4)mm
CPU	Embedded Pentium® M / Celeron™ M
Clock	1,1 -2,0GHz
ISA BUS	PC/104
PCI BUS	PC/104+
Cache	built-in CPU
System Memory	DDR-So-DIMM200 up to 1GB
Video Controller	built-in Intel® 855GM/GME
Video Memory	up to 64MB video memory
CRT	✓
LCD	18/24/36/48Bit LVDS
COM1/2	✓
LPT	Uni/ECP/EPP ; FDC shared
FDC	single LPT shared
Keyboard	PS2
Mouse	PS2
Speaker	✓
USB	4x2.0
Sound	AC97
IDE	ATA/UDMA100
CFlash Socket	-
LAN	Ethernet 10/100Base-T
LAN Boot	RPL PXE
BIOS	Award
Power Management	APM ACPI (incl.STR)
Watchdog	1s-255h
Battery	extern
Power	5V/3,0A (1,1GHz 256MB typ.)
Power suspend	5V/300mA
Cooling type	heatspreader
5V fan connector	✓
Operating Temp.	0°C to +60°C
Extended Temp.	on request



## PB-855+ Datenblatt/Datasheet

## Bestellinformation/Ordering information

Article	Part No.	Description
PB-855-C600	G92043	Celeron™ M 600MHz
PB-855-900	G92040	Pentium® M 900MHz
PB-855-1000	G92047	Pentium® M 1GHz
PB-855-1100	G92041	Pentium® M 1,1GHz
PB-855-C1300	G92042	Celeron™ M 1,3GHz
PB-855-1400	G92046	Pentium® M 1,4GHz
PB-855-1600	G92044	Pentium® M 1,6GHz
PB-855-1800	G92045	Pentium® M 1,8GHz

Accessories	Part-No.	Description
Heatspreader	G96000	Heatspreader PC/104
Aktive Cooler	G96001	for Heatspreader PC/104
Passiv Cooler	G96002	for Heatspreader PC/104
PB-CK815/855	G93041	PC/104 Cable-Kit PB815/855
DDR-RAM 128	G80100	128MB DDR So-DIMM
DDR-RAM 256	G80101	256MB DDR So-DIMM
DDR-RAM 512	G80102	512MB DDR So-DIMM
DDR-RAM 1024	G80103	1GB DDR So-DIMM

Options	Part-No.	Description
Option-ET	G93034	Ext. Temp. (on request)

Änderungen vorbehalten / Subject to change